

CLAIMS

1. (Amended) A load driver comprising:
an inverter (20) driving a load (MG);
5 a voltage converter (11) executing voltage conversion between a power supply
(B) and said inverter (20); and
a control device (30) controlling said inverter (20) to drive said load (MG) by
changing control mode of said load (MG) from a rectangular-wave control mode to one
of a pulse-width-modulation control mode and an overmodulation control mode, upon
10 receiving a command to perform a boosting operation by said voltage converter (11)
when the control mode of said load (MG) is said rectangular-wave control mode.

2. (Amended) The load driver according to claim 1, wherein
said control device (30) controls said inverter (20) to drive said load (MG) by
15 changing said control mode to said pulse-width-modulation control mode.

3. The load driver according to claim 1 or 2, wherein
said control device (30) controls said inverter (20) to drive said load (MG) by
20 further suppressing increase of a torque command value.

4. A load driver comprising:
an inverter (20) driving a load (MG);
a voltage converter (11) executing voltage conversion between a power supply
(B) and said inverter (20); and
25 a control device (30) controlling said inverter (20) to drive said load (MG) by
suppressing increase of a torque command value, upon receiving a command to perform
a boosting operation by said voltage converter (11) when control mode of said load
(MG) is a rectangular-wave control mode.

5. (Amended) A load driver comprising:
an inverter (20) driving a load (MG);
a voltage converter (11) executing voltage conversion between a power supply
5 (B) and said inverter (20); and
a control device (30) controlling said inverter (20) to drive said load (MG) in
one of a pulse-width-modulation control mode and an overmodulation control mode
when said voltage converter (11) performs a boosting operation.